Claims

1   1.   A method for modifying a stream of multimedia content to implement trick
2   mode playback comprising:
3   setting a discontinuity indicator in an adaptation field associated with a
4   video frame; and
5   setting a substitute program clock reference (PCR) value in the adaptation
6   field to facilitate playback of the multimedia stream in accordance with a desired
7   trick mode.

1   2.   The method according to claim 1 further comprising:
2   inserting an adaptation field associated with at least one video frame with
3   which an adaptation field was not already associated.

1   3.   The method according to claim 1 wherein said step of setting a substitute
2   PCR value comprises setting the substitute PCR value to a value approximately
3   equal to a presentation time stamp (PTS) of the video frame with which the
4   adaptation field is associated.
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1   4.   The method according to claim 1 further comprising removing at least one
2   video frame from the stream of multimedia content.

1   5.   The method according to claim 4 further comprising removing at least one
2   adaptation field associated with the removed video frame.

1   6.   The method according to claim 1, further comprising delivering the
2   modified stream of multimedia content to an MPEG receiver.

1   7.   The method according to claim 6 wherein the MPEG receiver is an
2   Advanced Television Systems Committee (ATSC) receiver.

1   8.   A system for modifying a stream of multimedia content to implement trick
2   mode playback comprising:

3   a processor which sets a discontinuity indicator in an adaptation field

4   associated with a video frame and sets a substitute program clock reference

5   (PCR) value in the adaptation field to facilitate playback of the multimedia stream

6   in accordance with a desired trick mode,.

1   9.   The system according to claim 8 wherein the processor further inserts an

2   adaptation field associated with at least one video frame with which an

3   adaptation field was not already associated.

1   10.   The system according to claim 8 wherein the processor sets the substitute

2   PCR value to a value approximately equal to a presentation time stamp (PTS) of

3   the video frame with which the adaptation field is associated.

1   11.   The system according to claim 8 wherein the processor removes at least

2   one video frame from the stream of multimedia content.

1   12.   The system according to claim 11 wherein the processor removes at least

2   one adaptation field associated with the removed video frame.

1   13.   The system according to claim 8 wherein the modified stream of

2   multimedia content is delivered to an MPEG receiver.

1   14.   The system according to claim 13 wherein the MPEG receiver is an

2   Advanced Television Systems Committee (ATSC) receiver.